

Preface

The 20th edition of the EUNICE summer school and conference is part of a series of annual international conferences devoted to the promotion and advancement of all aspects of Information and Communication Technologies. The main objective of these events is to provide a forum to promote educational and research cooperation between its member institutions and foster the mobility of students, faculty members, and research scientists working in the field of information and communication technologies.

This edition marked a return to France by selecting the splendid venue of Brittany, a region marked by its history with a strong Celtic tradition and a remote location at the western tip of the EU continent that was the initiator of many innovations and disruptive technologies in the telecommunication and network domains. Télécom Bretagne was the location of the very first edition of the events back in 1994 and we are proud to celebrate the 20th edition.

Following its usual style, the conference included a three-day technical program, where the papers contained in these proceedings were presented. Papers were received from various parts of Europe and the EUNICE community. The technical program was then followed by two tutorial days where attendants had the opportunity to catch up on issues related to new trends in software engineering for telecommunication and big data.

The conference features three distinguished keynote speakers, who delivered state-of-the-art information on related topics of great importance, both for the present and future of telecommunication systems:

- Prosper Chemouil, from Orange Labs, delivered a talk on “Network management trends for future networks.”
- Nora and Frédéric Cuppens, from Institut Mines Télécom, delivered a talk on “Multilevel response systems to maintain information in optimal security Conditions.”

We would like to express our sincere gratitude to these distinguished speakers for sharing their insights and views with the conference participants.

The conference also included an interesting selection of tutorials, featuring well-known experts, who presented introductory and advanced material in the scope of the conference and summer school:

- Vanea Chiprianov, from Université de Pau, France, gave a tutorial on “How modeling techniques can address new service creation and deal with complexity.”
- Emmanuel Bertin, from Orange Labs in Caen, France, continued this previous tutorial with “New services: an IT and operator view.”
- Erwan Le Merrer, from Technicolor, Rennes, France gave a tutorial on big data issues: “Storage + processing: data crunching at the big data age.”

We wish to extend our gratitude to these experts, for the work they put in preparing and presenting these contents during the summer school, and for their dedication to train PhD students to these challenging domains.

The 20th edition of the EUNICE conference and summer school was made possible through the generous support of “Conseil Régional de Bretagne” and “Institut Mines Télécom.” Their names and logos appear on the conference web site.

We would like to thank the effort and contribution of the Technical Program Committee for their careful and precise reviews of the submitted papers, and for the insightful comments they provided to the authors, guidance for their future work, and suggestion to improve their research. EasyChair was used throughout the various phases of the conference calls and proceedings and we did appreciate this great support environment.

The organization committee was led by Mrs. Ghislaine Le Gall, who coordinated and worked very hard to make the conference a success and in helping us with the intricate and complex details of the organization.

Finally, we also thank the authors of the contributions submitted to the conference, and all the participants who helped in achieving the goal of the conference: to provide a forum for young researchers for the exchange of information and ideas about ICT. We hope they all enjoyed the program as well as the social events of the 20th edition of the EUNICE conference and summer school.

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